

Patent claims

1. An optical coupling device for cross-coupling light from a first optical waveguide into a second optical waveguide, it being possible for the relative position of the two optical waveguide end faces in relation to each other to be influenced with the aid of a variable-length element which holds the first optical waveguide and the variable-length element being fixed via a first holding element to a structure containing the second optical waveguide and having a guide element which permits the variable-length element to lengthen only in a spatial direction oriented substantially parallel to the longitudinal axis of the element.
2. An optical coupling device, wherein the guide element has a second holding block as an abutment, on which the variable-length element is guided parallel to its extension direction.
3. The device according to Claim 1, wherein the guide element has a ferrule which is connected to the variable-length element and is mounted in a hole in the second holding block such that it can be displaced in the direction of the axis of the variable-length element in which the variation in length takes place.
4. The device according to Claim 2, wherein the ferrule is guided in the second holding block via a sleeve.
5. The device according to Claim 1, wherein the guide element has a ferrule which is connected to the second holding block and is mounted in a hole in the variable-length element such that it can be displaced in the direction of the axis of the variable-length element in which the variation in length takes place.
6. The device according to Claim 4, wherein the ferrule is guided in the variable-length element via a sleeve.
7. The device according to Claim 1, wherein the guide element is formed by a groove-and-tongue connection between the variable-length element and the second holding block.
8. The device according to Claim 1, wherein the second holding block has a U-shaped cross section, and in that the variable-length element is guided in the U-shaped cross section of the second holding block.

- [illegible]